Wells et al.

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[54]	ELECTROPHORETIC IMAGING METHOD					
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[56] References Cited						
UNITED STATES PATENTS						
2,758, 3,284,						

3,384,565	5/1968	Tulagin et al	96/1.3
3,689,399		IsaoOta	
3,729,334	4/1973	Snelling	96/1 R

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[57] ABSTRACT

An electrophoretic imaging process wherein a suspension of particles in a carrier liquid are placed between a photoconductive electrode and a second electrode. With an electrical field applied between the photoconductive electrode and the second electrode the photoconductor is exposed to imagewise radiation which causes particles on the surface of the photoconductive electrode to be driven away in image configuration by charge exchange with the photoconductive electrode. The migrating particles form a negative image on the second electrode leaving a positive image behind on the photoconductive electrode.

18 Claims, 10 Drawing Figures